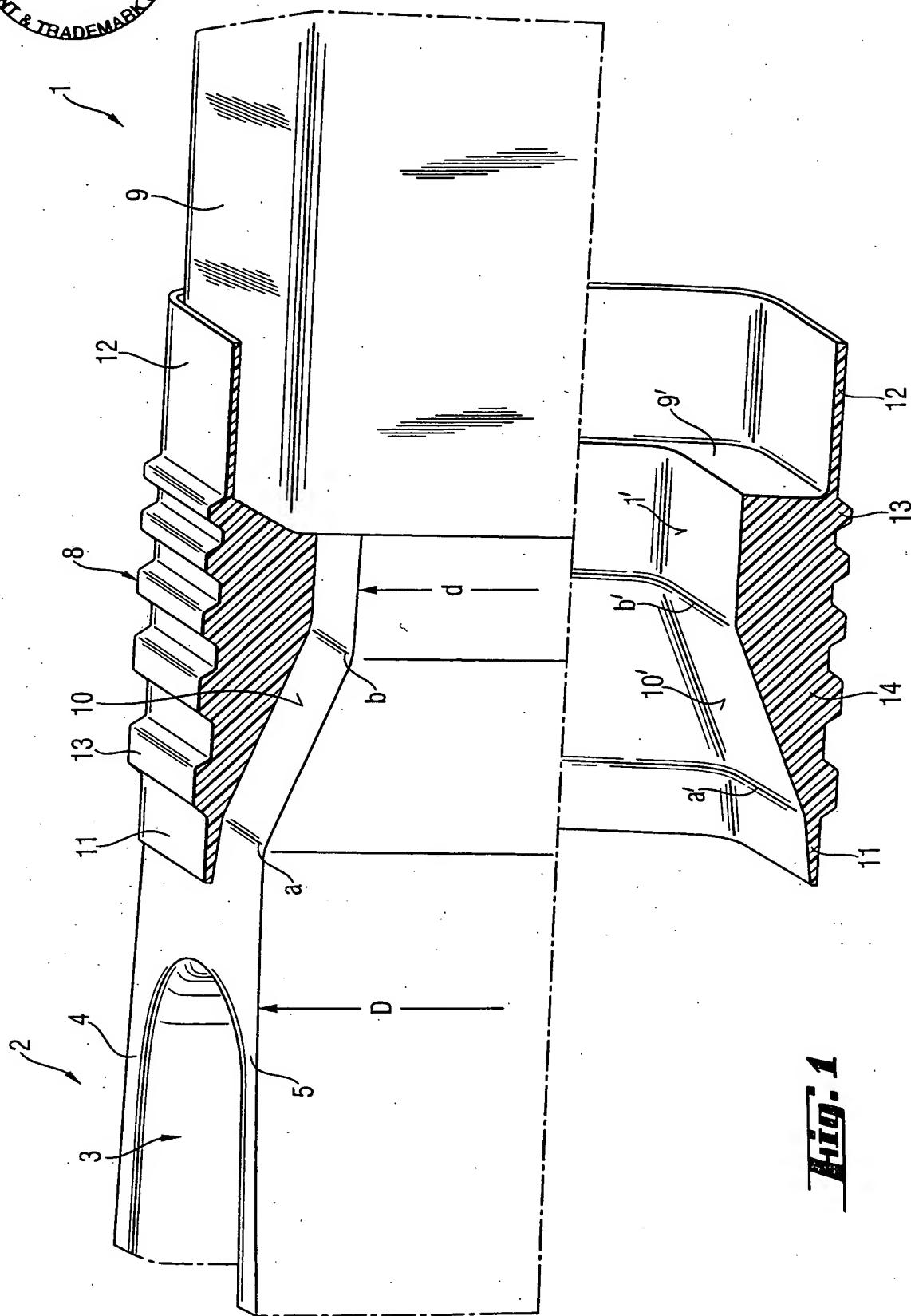


O I P E
PATENT & TRADEMARK OFFICE
JUL 09 2004
S 11

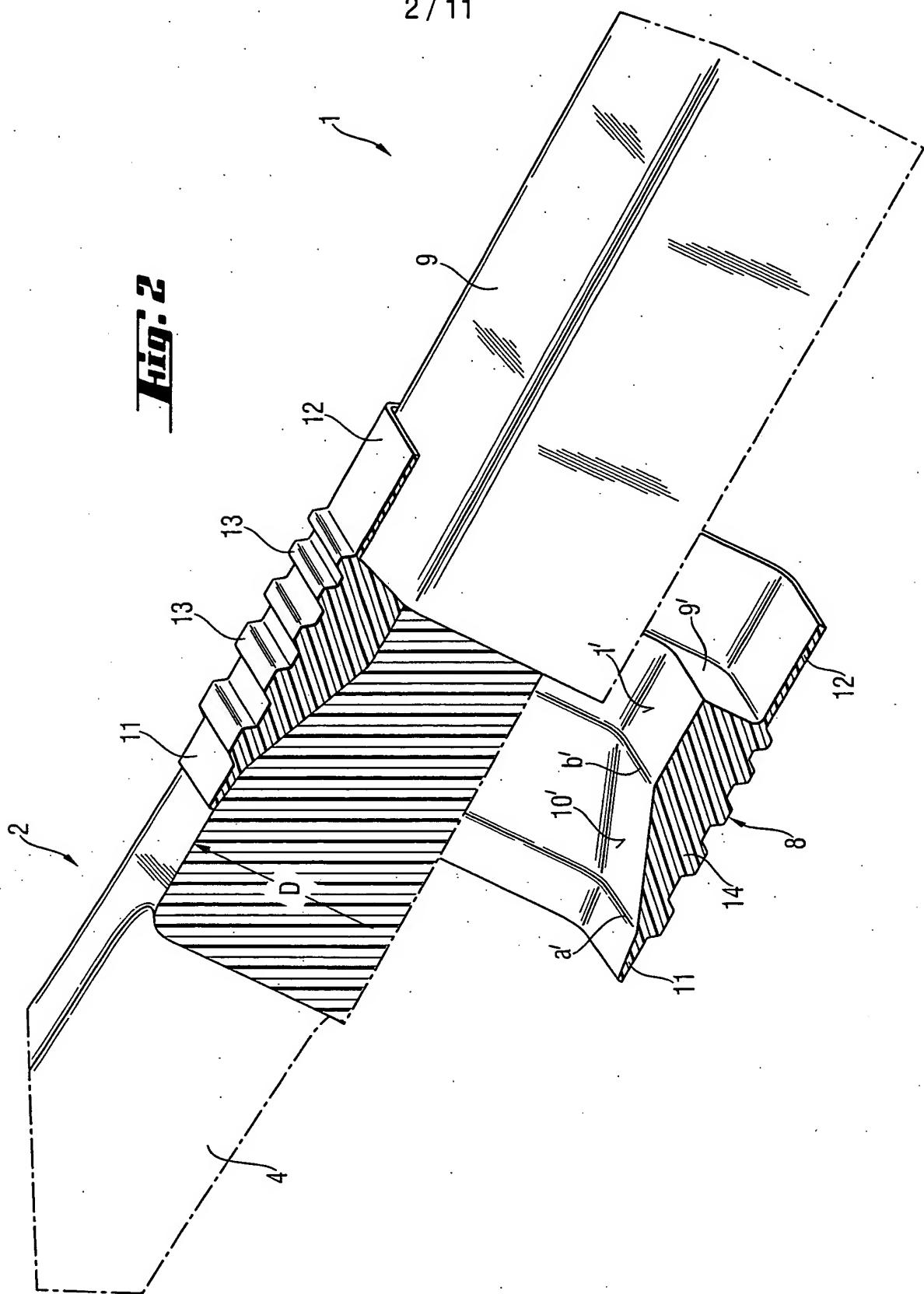
REPLACEMENT SHEET

1 / 11

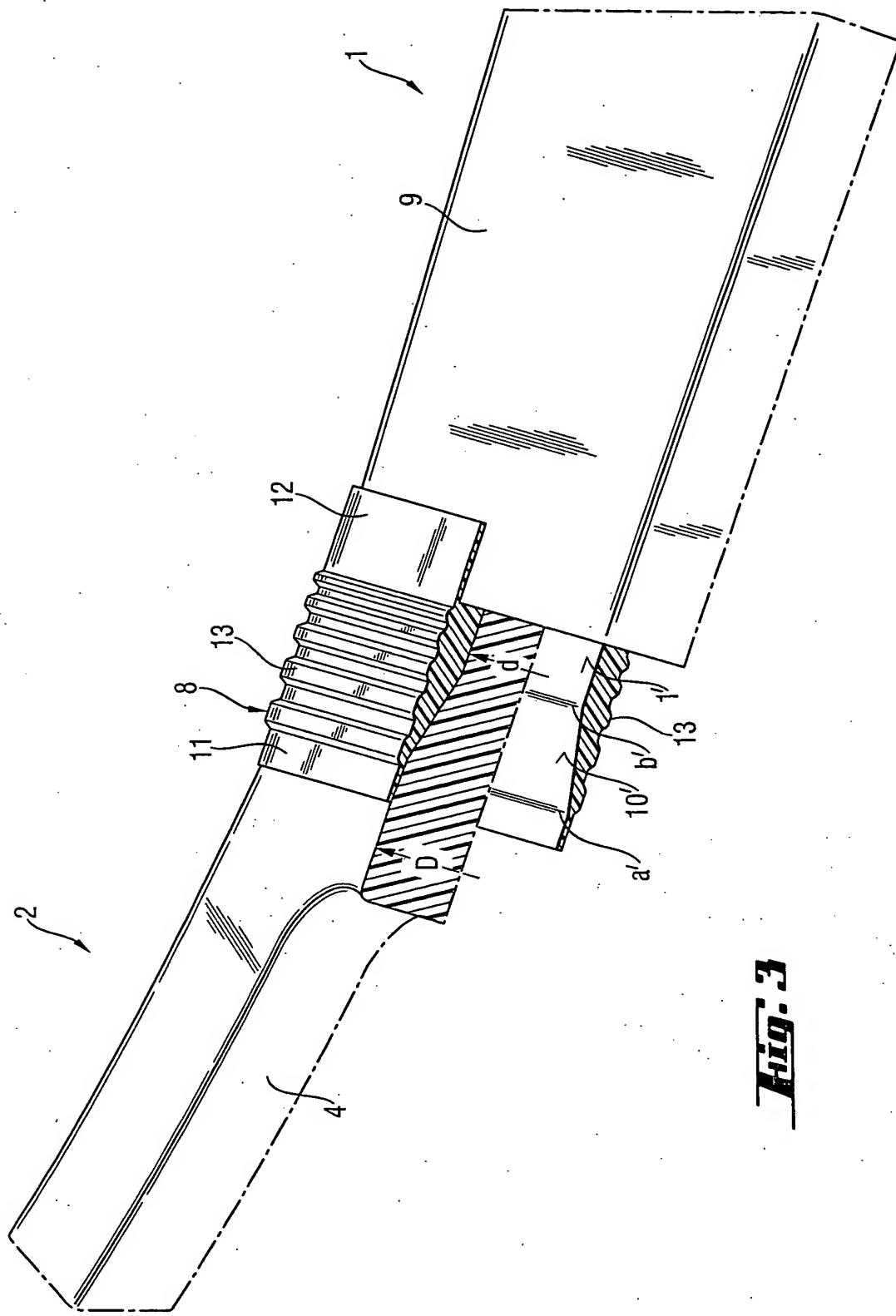


2 / 11

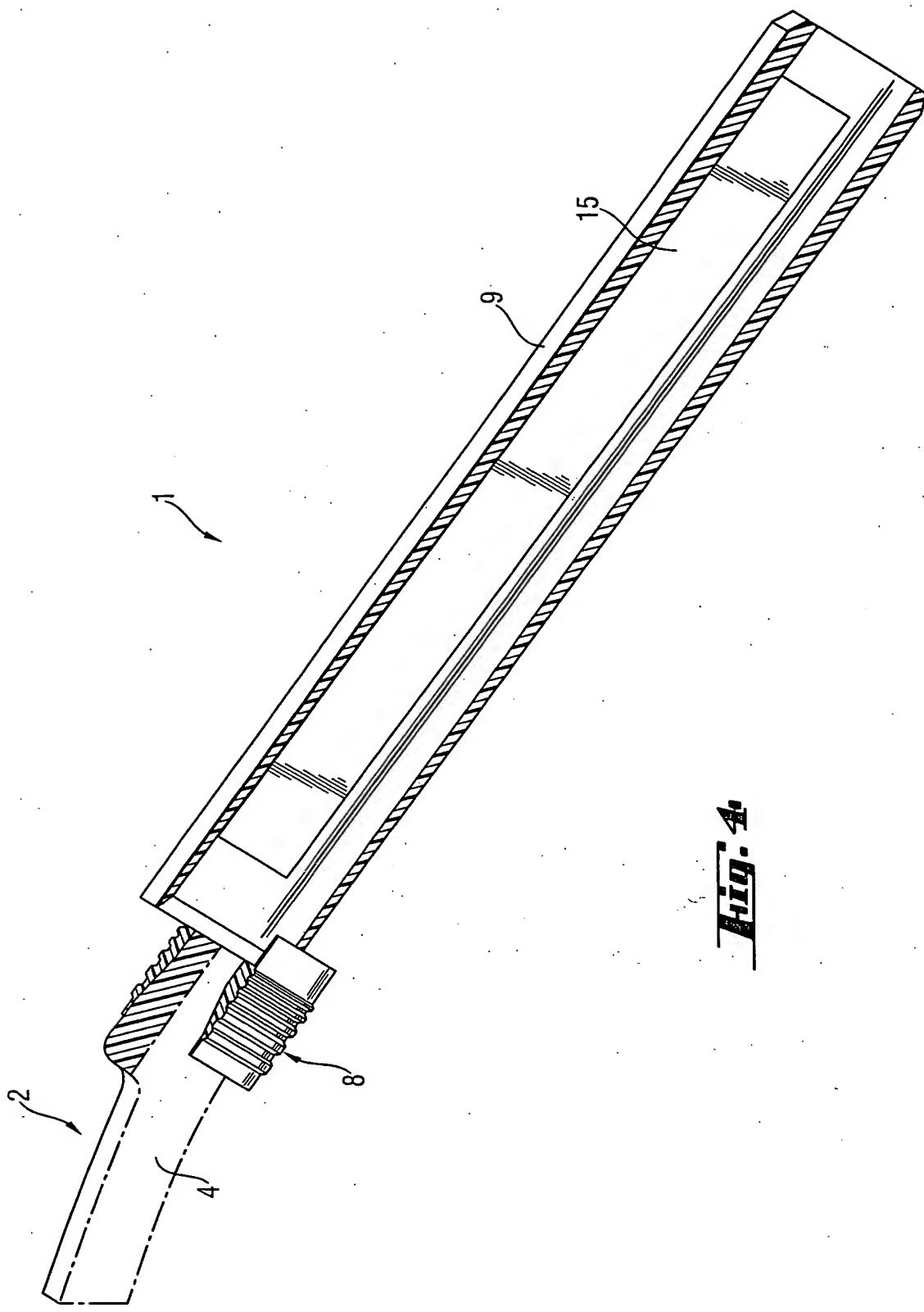
Fig. 2



3 / 11

**FIG. 3**

4 / 11



5 / 11

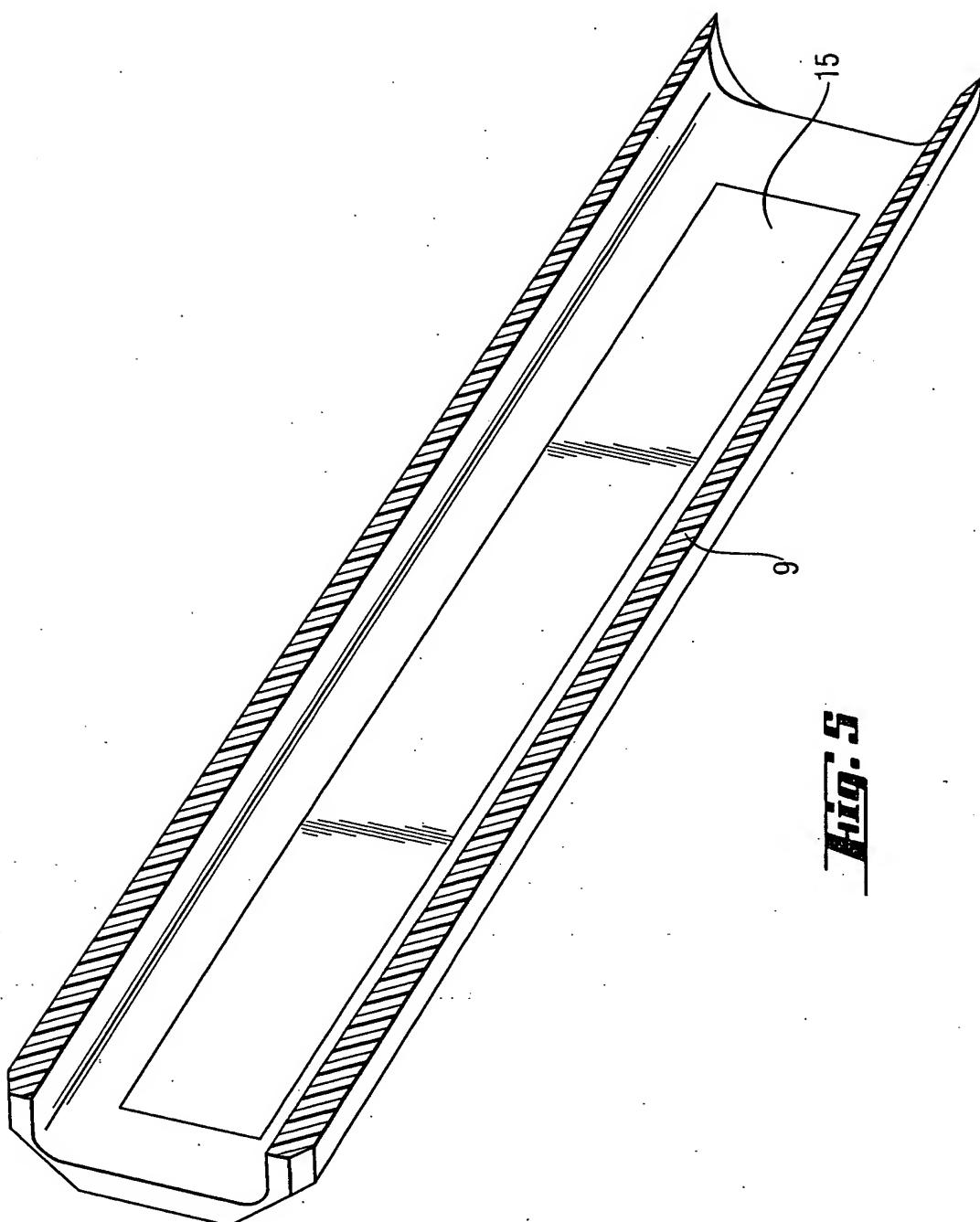


Fig. 5

6 / 11

FIG. 6

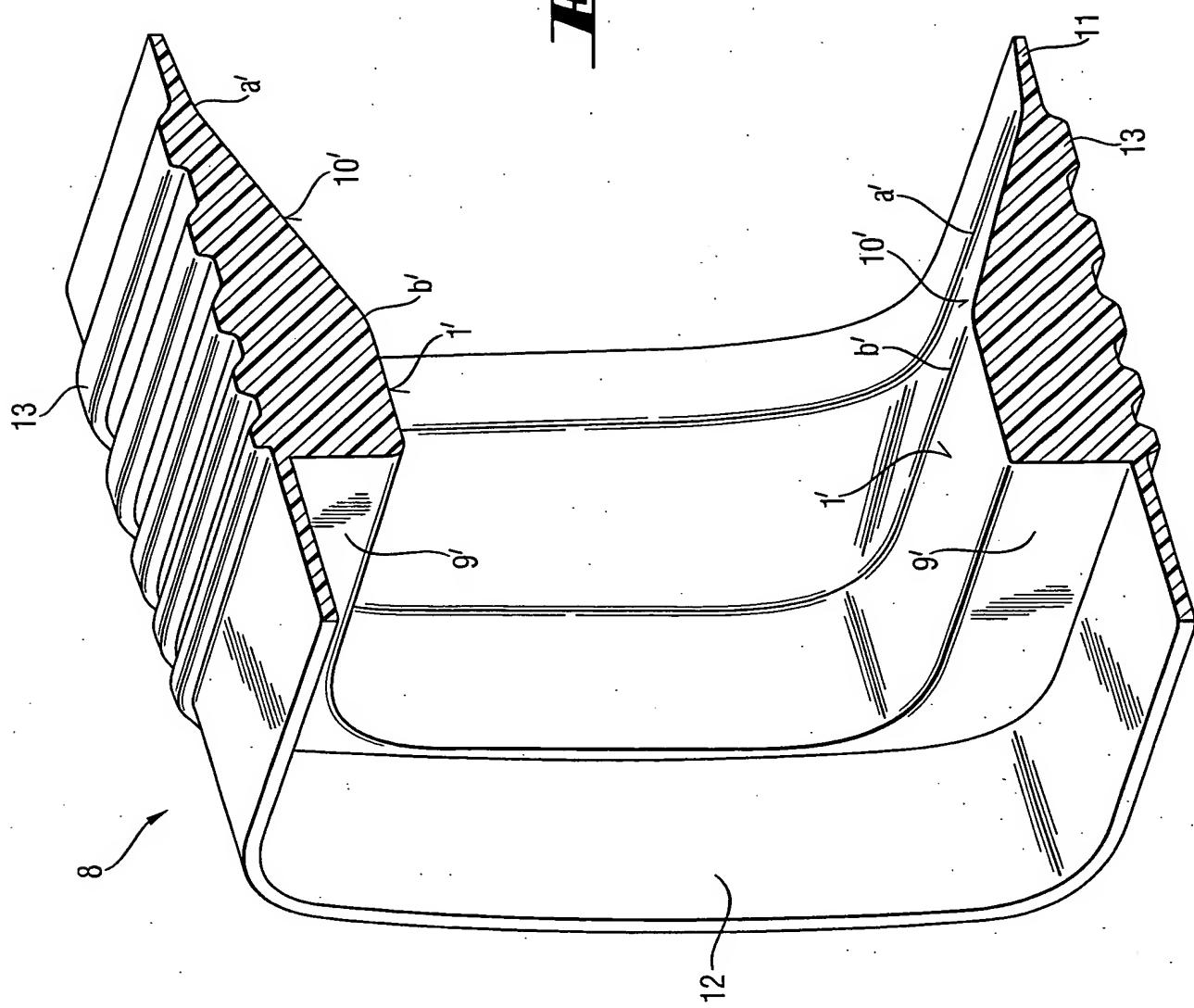
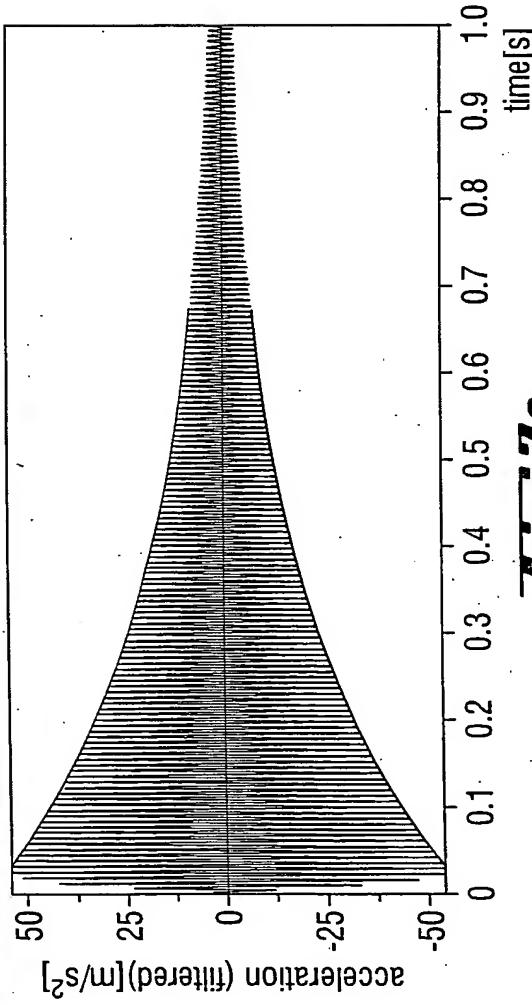


Fig. 7**Handle with dampening****Fig. 7a**

dampening ratio, calculated on the basis of a filtered signal

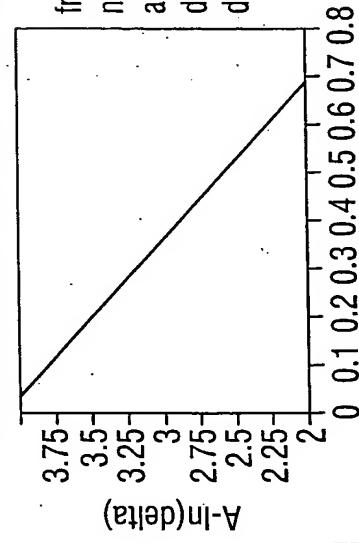
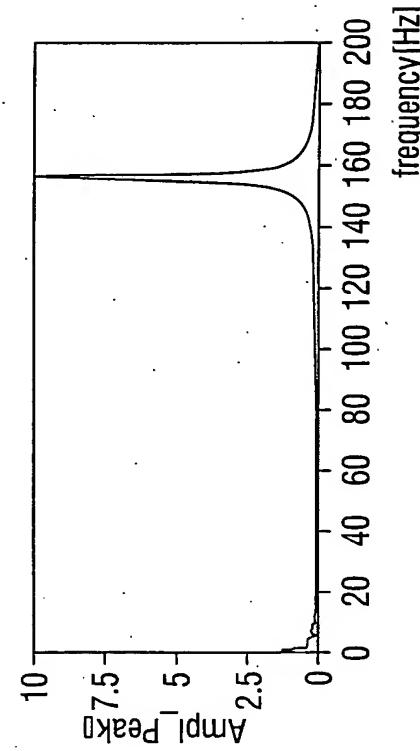
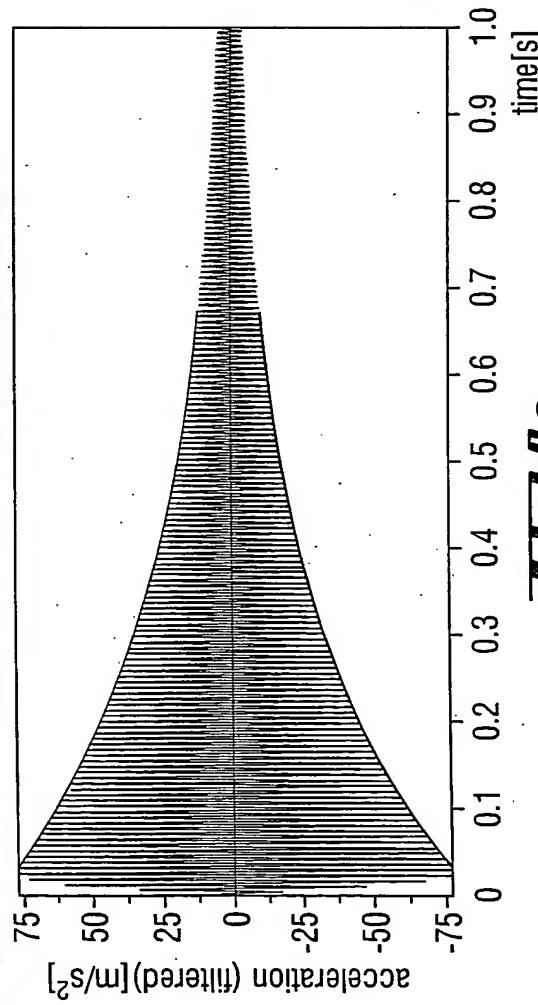
**Fig. 7b****Fig. 7c**

Fig. 8**Fig. 8a**

dampening ratio, calculated on the basis of a filtered signal

free vibration
natural frequency 155.6 Hz
amplitude 16.04
 δ = 3.10
dampening ratio = 0.0032

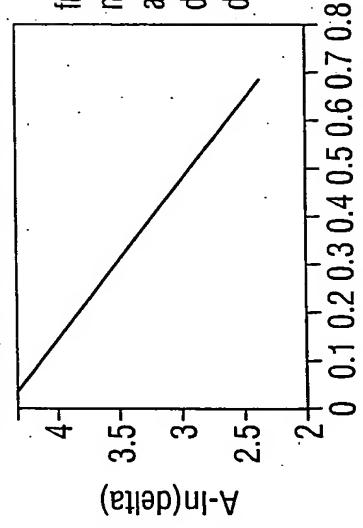
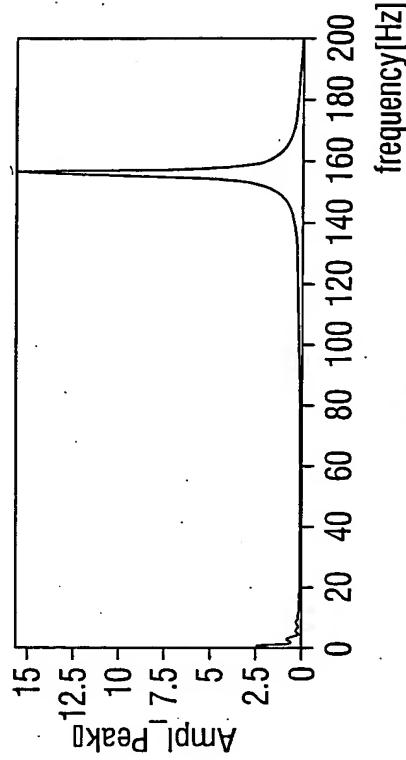
**Fig. 8b****Fig. 8c**

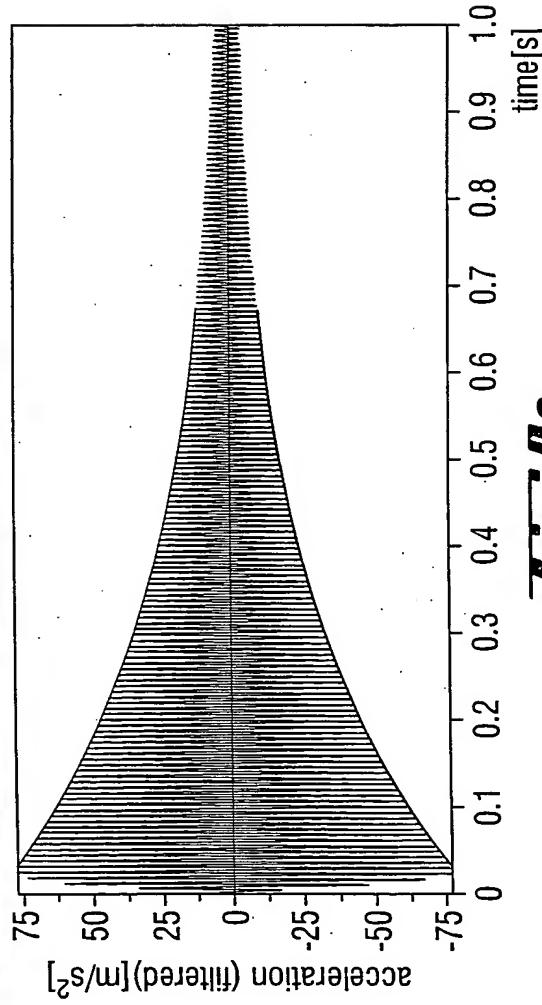
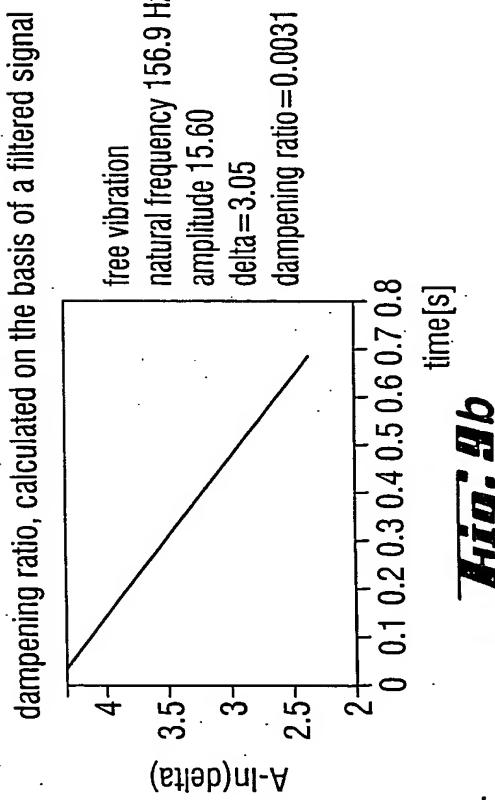
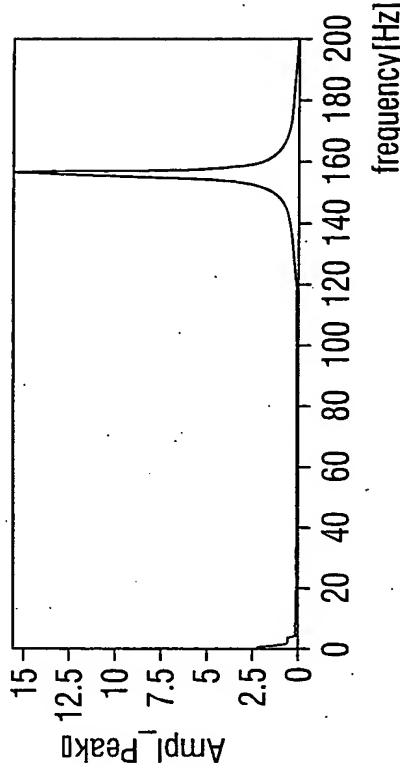
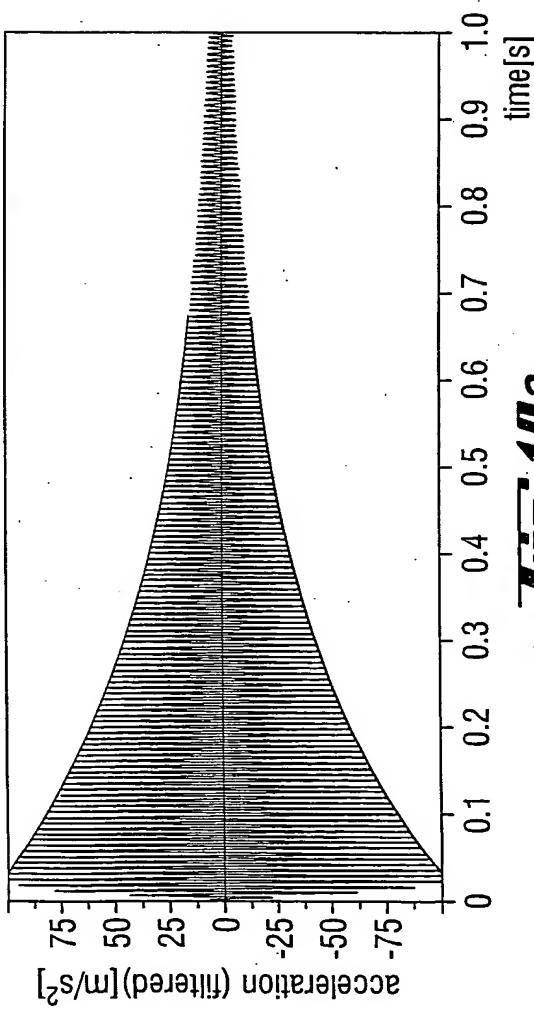
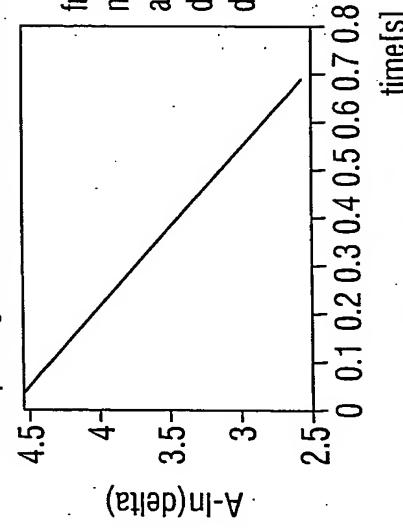
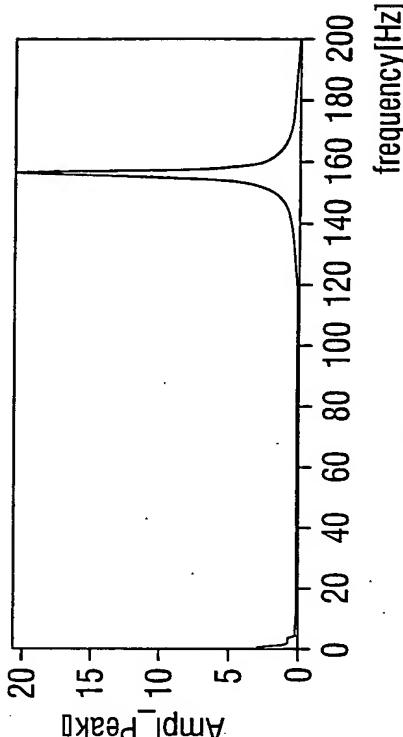
Fig. 9**Fig. 9a****Fork with dampening****Fig. 9b****Fig. 9c**

Fig. 10**Fig. 11a****Fork without dampening**

dampening ratio, calculated on the basis of a filtered signal

free vibration
natural frequency 155.6 Hz
amplitude 20.62
 δ =3.03
dampening ratio=0.0031

**Fig. 11b****Fig. 11c**

11 / 11

FIG. 11

